GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Water Resources Department - "Detailed Design and construction of Pump house, Main canal and distributaries of Kotapadu Lift, Chanubanda Lift & Vissannapeta Stage-I,II,III Lifts for providing Irrigation facilities to an Ayacut of 50,000 Acres of the upper land of Vissannapet, Musunur, Reddygudem, Chatrai and Nuziveedu mandals of Krishna district for an amount of Rs.698.90 Crores– Administrative Sanction- Accorded - Orders – Issued.

WATER RESOURCES (Proj.I) DEPARTMENT

G.O.MS.No. 15 **Dated: 06-02-2019**
Read the following:-

From the Chief Engineer, Krishna Delta System, Letter No. CE/KDS/VJA/OT-2/ AEE-7/VCSLIS/ 39, Dated:04-1-2019.

ORDER:

In the reference read above, the Chief Engineer, Krishna Delta System, Vijayawada has stated that the Hon'ble Chief Minister of Andhra Pradesh have assured to construct a lift irrigation scheme to supply water to the un-commendable fields in Reddigudem,Vissannapeta, Chatrai, Nuzvidu and Musunuru mandals to an extent of about 50,000 acres while laying foundation for Chintalapudi Lift Irrigation Scheme Phase-II on 07.09.2017. and as per Government Memo No.41, dated:24.05.2018, the work of 'Preliminary Survey Estimate for conducting detailed topographical survey, preparation of design, drawings estimates of all civil components and preparation of detailed project report for irrigation an additional ayacut of 50,000 acres (Vissannapet Sub Lift Irrigation Scheme 35,000 acres and Chanubanda Sub Lift Irrigation Scheme 15,000 acres) and submission of Detailed Project Report was awarded to the agency M/S Con Tec DES(P) Ltd, Hyderabad vide agreement No. 9SE/2018-19 Dated. 12-07-2018 for Rs. 94,30,000/- by the superintending Engineer, PIPRMC Circle, Eluru vide Lr No. SE/PIPRMC/ELR/ DB/TO/1747 Dated .12-07-2018.

2. He has further stated that after conducting the detailed investigation and survey the agency vide letter dt.06.12.2018, has submitted the Detailed Project Report of 'Visannapet and Chanubanda Sub-Lift scheme by providing three lifts on Chintahlapudi Lift Irrigation Main Canal Scheme which is under progress and two sub lifts are provided under Vissannapet stage 1 lift and is worked out for Rs.706.09 Crores as per SSR 2018-19. The details are as follows.

1.Kotapadu Lift:	At Km 89.900 on Right side bank of Chinthalapudi main canal at Kotapadu village of Chatrai Mandal for lifting of 50cusecs of water from EL +111.362 Mts to EL +137.500 Mts.to irrigate an extent of 5000 acres.
2.Chanubanda lift:	At Km 98.200 on Right side bank of Chinthalapudi main canal at PittlavariGudem village of ChatraiMandal for lifting of 100 cusecs water from EL+ 110.742 Mts to EL +142.5 Mts.to irrigate an extent of10000 acres.
3.Vissannapet Lift (stage 1):	At Km 100.500 on Left side bank of Chinthalapudi main canal at Surampalem village of Chatrai Mandal or lifting of 350 cusecs water from EL +110.565 Mts to EL +130.500 Mts.toirrigate an extent of 10000 acres.

(p.t.o)

3(a)Vissannapet Stage 2 Lift	At Km 6.700(TE) of Vissannapet Stage 1 lift at Arugolanupeta village of ChatraiMandal for lifting 300cusescsof water from EL +125.000 Mts to EL +140.500 Mts.to irrigate an extent of 10000 acres
3(b)Vissannapet Stage 3 Lift:	At Km 2.400 of Vissannapet Stage 2 lift at Chittapur village of ChatraiMandal for lifting of150cusecs water from EL +139.400 Mts to EL +160.500 Mts.to irrigate an extent of 15000acres.

3. The Chief Engineer, Krishna Delta System, Vijayawada has requested the Government to accord administrative sanction for the work "Detailed Design and construction of Pump house, Main canal and distributaries of Kotapadu Lift, Chanubanda Lift & Vissannapeta Stage-I,II,III Lifts for providing Irrigation facilities to an Ayacut of 50,000 Acres of the upper land of Vissannapet, Musunur, Reddygudem, Chatrai and Nuziveedu mandals of Krishna district for an amount of Rs.706.09 Crores and the B.C Ratio projected as 1.52.

4. Government after careful examination, hereby accord Administrative approval to the work "Detailed Design and construction of Pump house, Main canal and distributaries of Kotapadu Lift, Chanubanda Lift & Vissannapeta Stage-I,II,III Lifts for providing Irrigation facilities to an Ayacut of 50,000 Acres of the uplands of Vissannapet, Musunur, Reddygudem, Chatrai and Nuziveedu mandals of Krishna district for an amount of Rs.698.90 Crores (Rupees Six Hundred and Ninety Eight Crores and Ninety Lakhs only).

5. The above expenditure is chargeable to Head of Account “4700 Capital Outlay on Major Irrigation – 01 Major Irrigation -Commercial – M.H.176 Chintalapudi Lift Irrigation Scheme – GH.11 State Development schemes – SH (26) Dam and Appurtenant works / SH (27) Canals & Distributaries – 530 Major works – 531 Other Expenditure/532 Lands.

6. The Chief Engineer, Krishna Delta System, Vijayawada shall take necessary action accordingly and shall ensure the correctness of the provisions, rates, quantities proposed in the estimate and Obtain the approved design/drawings from the CE/CDO for Electro- Mechanical component of works. For other structured works, the drawings shall approved by the competent authority.

7. This order issue with the concurrence of the Finance (FMU.WR.II) Department, vide their U.O.No.FMU-PC/WR.II/17/2019. (Computer No.788006) dated: Dt.06.02.2019.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

SHASHI BHUSHAN KUMAR
SECRETARY TO GOVERNMENT

To
The Chief Engineer, Krishna Delta System, Vijayawada,
Copy To:
The Accountant General, A.P, Hyderabad
The Pay & Accounts Office, A.P, Ibrahimpatnam, Vijayawada
The Director of Works & Accounts, Vijayawada
Finance (FMU-WR II) Department
SF/SC

//FORWARDED::BY ORDER//

SECTION OFFICER

Annexure to G.O.Ms.No.15,Water Resources (Proj.I) Department, dated: 06.02.2019

The Provisions proposed in the estimate are tabulated below ;

SNo.	Description of item	Amount in Lakhs
1	Preliminaries	455.00
2	Kotapadu Lift	
a	Pump House & Delivery Cistern	41.13
b	Pressure Main at Kotapadu Lift consists of 1000mm dia.& 10mm thickness of single row for a length of 2.1 Km.	617.62
c	Design, Supply, Erection and Commissioning of 1.42 cumecs Discharge 36.40 m Head of 2 Nos. Vertical Turbine Pumps including Motors, SFC equipment, EOPD, HOPD Valves, EOT crane, HT & LT cables	229.11
d	Sub Station- Kotapadu Lift 33/11KV Electrical Main Sub Station near Kotapadu Village with Power - Transformers and all necessary control with switch gear equipment & civil works, and other necessary Equipment, Transmission Line including bay extension- communication Lines required for completion of work.	74.47
e	Earth Work - Kotapadu Main Canal (Left-0.00 Km to 2.617 Km & RMC 0.00 Km to 5.60 Km)	1391.51
f	Structures on - Kotapadu Main Canal (Left-0.00 Km to 2.617 Km & RMC 0.00 Km to 5.60 Km)	447.89
3	Chanubanda Lift	
a	Pump House & Delivery Cistern	65.87
b	Pressure Main at Chanubanda Lift consists of 1400mm dia.& 10mm thickness of single row for a length of 2.7 Km.	1207.46
c	Design, Supply, Erection and Commissioning of 2.832cumecs Discharge 41.40 m Head of 2 Nos. Vertical Turbine Pumps including Motors, SFC equipment, EOPD, HOPD Valves, EOT crane, HT & LT cables	489.89
d	Sub Station- Chanubanda lift 33/11KV Electrical Main Sub Station near Pitlavarigudem Village with Power- Transformers and all necessary control with switch gear equipment & civil works, and other necessary Equipment, Transmission Line including bay extension- communication Lines required for completion of work.	167.56
e	Earth Work - Chanubanda Main Canal from 0.00 Km to 18.010 Km	2179.96
f	Structures on - Chanubanda Main Canal from 0.00 Km to 18.010 Km	1459.41
4	Vissannapeta Stage - I Lift	
a	Pump House & Delivery Cistern	97.03
b	Pressure Main Vissannapeta Stage- I Lift consists of 1800mm dia.& 10mm thickness of two rows for a length of 2.5 Km.	2855.92
c	Design, Supply, Erection and Commissioning of 9.911 cumecs Discharge 27.90 m Head of 3 Nos. Vertical Turbine Pumps including Motors, SFC equipment, EOPD, HOPD Valves, EOT crane, HT & LT cables	1120.03

d	Sub Station - 33/11KV Electrical Main Sub Station near Surampalem Village with Power -Transformers and all necessary control with switch gear equipment & civil works, and other necessary Equipment, Transmission Line including bay extension- communication Lines required for completion of work.	390.99
e	Earth Work - Vissannapeta Stage - I Lift Main Canal from 0.00 Km to 6.70 Km	1237.85
f	Structures on Vissannapeta Stage - I Lift Main Canal from 0.00 Km to 6.70 Km	1799.72
g	Earth Work - Vissannapeta Stage - I Lift Branch Canal from 0.00 Km to 4.51 Km	898.96
h	Structures on Vissannapeta Stage - I Lift Branch Canal from 0.00 Km to 4.51 Km	610.82
5	Vissannapeta Stage - II Lift	
a	Pump House & Delivery Cistern	121.40
b	Pressure Main Vissannapeta Stage- II Lift consists of 1800mm dia.& 10mm thickness of two rows for a length of 0.6 Km.	690.04
c	Design, Supply, Erection and Commissioning of 8.495 cumecs Discharge 19.00 m Head of 3 Nos. Vertical Turbine Pumps including Motors, SFC equipment, EOPD, HOPD Valves, EOT crane, HT & LT cables	658.71
d	Sub Station - 33/11KV Electrical Main Sub Station near Arugolanupeta Village with Power - Transformers and all necessary control with switch gear equipment & civil works, and other necessary Equipment, Transmission Line including bay extension- communication Lines required for completion of work.	223.41
e	Earth Work - Vissannapeta Stage - II Lift Main Canal from 0.00 Km to 22.745 Km	6104.21
f	Structures on Vissannapeta Stage - II Lift Main Canal from 0.00 Km to 22.745 Km including Viaduct (19.45 Crores)	7559.48
6	Vissannapeta Stage - III Lift	
a	Pump House & Delivery Cistern	61.45
b	Pressure Main Vissannapeta Stage- III Lift consists of 1200mm dia.& 10mm thickness of two rows for a length of 1.1 Km.	851.85
c	Design, Supply, Erection and Commissioning of 4.247 cumecs Discharge 27.00 m Head of 2 Nos. Vertical Turbine Pumps including Motors, SFC equipment, EOPD, HOPD Valves, EOT crane, HT & LT cables	492.98
d	Sub Station - 33/11KV Electrical Main Sub Station near Chittapur Village with Power - Transformers and all necessary control with switch gear equipment & civil works, and other necessary Equipment, Transmission Line including bay extension-communication Lines required for completion of work.	167.56
e	Earth Work - Vissannapeta Stage - III Lift Main Canal from 0.00 Km to 9.500 Km	1006.95
f	Structures on Vissannapeta Stage - III Lift Main Canal from 0.00 Km to 9.500 Km	1520.90
g	Earth Work - Vissannapeta Stage - III Lift West Canal from 0.00 Km to 9.775 Km	4963.34
h	Structures on Vissannapeta Stage - III Lift West Canal from 0.00 Km to 9.775 Km	1873.44

7	Provision for Distributaries, Minors & Sub Minors	5250.00
8	O&M for civil works @0.1% for 3 years i.e., pump house on Rs. 6609.77 Lakhs O&M for civil works for 3 years for pump houses of 2A, 3A for 3 years excluding defect liability period	6.61
9	O&M for EM&HM works @ 1% for 13 years on Rs. 4014.71 Lakhs	40.15
	O&M for EM&HM works, Sub Station, Transmission Line, switching station works of Kotapadu, Chanubanda and Vissannapeta Lifts for 13 years excluding defect liability period	
10	O&M for Civil works other than pump house @ 0.25% per year for 3 years on Rs. 6609.77 lakhs	16.52
	O&M for Pressure main, Mani Fold, Delivery Cistern and Civil works other than pump house of Kotapadu, Chanubanda and Vissannapeta Lifts and canal works for 3 years excluding defect liability period	
11	Plantation and Beautification in and around pump houses	2.00
12	Store shed @ Kotapadu, chanubanda & Vissannapeta Stage-I, II & III Lifts	25.00
	Out Side ECV	
13	K - Buildings	423.96
14	Provision for Land Acquisition (592.1Acres)	13148.36
15	NAC & CMRF @ 0.20% on Rs. 49474.19 Lakhs	98.94
16	Consultation charges payable to APGENCO @ 1% on EM&HM Rs. 4014.71 Lakhs	40.15
17	Development charges payable to AP Transco at Rs. 1000/- per KVA for 13.75 MVA	137.50
18	Security Deposit payable to AP Transco at Rs.1000/- per KVA for 13.75 MVA	137.50
19	Supervision charges payable to AP Transco	137.50
20	GST @ 12% on Works, AP Transco & AP Genco Charges Rs. (49474.19+40.15+137.5*3=5991.22 lakhs)	5991.22
21	HTCC Charges for Trail Run	0.72
22	Provision for seignorage charges	119.17
23	Provision for Tender Charges, Photographical and video charges and Inauguration charges	125.79
24	Environment & Ecology	55.00
	Total	69890.00 Lakhs or Say 698.90 Crores

SHASHI BHUSHAN KUMAR

SECRETARY TO GOVERNMENT